

XII.—*On a Collection of Birds made in Northern Somaliland by Mr. G. W. Bury.* By D. A. BANNERMAN, B.A., M.B.O.U.

THE following paper is based on a collection of birds obtained by Mr. G. W. Bury in Northern Somaliland. Mr. Ogilvie-Grant had made arrangements that Mr. Bury should investigate the high ranges behind Cape Guardafui, making his way then by sea from Berbera to Bunder Mureya, and thence striking inland to the high ground, but unfortunately this plan had to be abandoned owing to numerous difficulties, the Italian Government refusing to grant him the necessary permission to land. Mr. Bury therefore confined his labours to the country between Dubar and Burao. The majority of the birds were obtained in the Waghar district, which he made his head-quarters from the end of June to November, 1905.

Below I have given a list of the localities which he visited, together with the approximate dates and altitudes at which birds were collected.

Dubar,	400 ft.	.....	May and June, 1905.
Beloko,	3000 ft.	.....	June and December 1905, and January 1906.
Libah Rajaz,	3400 ft.	}	..... June, 1905.
Ragar,	4000 ft.		
Ragar Plateau,	4200 ft.		
Waghar,	6000 ft.	.....	June to November, 1905.
Burao,		.....	December 1905 to June 1906.

Two new species were discovered, namely, a small Rail, *Sarothrura buryi* Grant, from Dubar; and a new Flycatcher, *Muscicapa somaliensis* Bannerman, from Waghar and Burao.

The great value of this collection lies in the fact that a very large series of the birds was obtained in the hot summer months—May, June, July, and August, when very few collectors are in the field. Hence Mr. Bury secured examples of many species in summer-plumage which the British Museum did not possess before.

Throughout this paper Dr. Reichenow's work 'Die Vögel Afrikas' is quoted as "Reich."

My sincere thanks are due to Mr. Ogilvie-Grant, of the British Museum, for his kindness in allowing me to work out this interesting collection, and for the great help he has given me throughout; also to his attendant Mr. Wells for much valuable assistance.

#### Family STURNIDÆ.

*DILOPHUS CARUNCULATUS* (Gmel.).

*Perissornis carunculatus* Reich. ii. p. 670 (1903).

*a, b.* ♂ ♀. Dubar, 10th & 11th June, 1905.

Iris pale brown; bill horn-coloured; upper mandible darker than the lower; gape yellow; legs and feet grey with a brownish tinge.

*PHOLIDAUGES LEUCOGASTER* (Gm.).

*Cinnyricinclus leucogaster* Reich. ii. p. 679 (1903).

*a-c.* ♂ ♀ et ♂ imm. Dubar, 12th-30th May, 1905.

A female shot on the 28th of May had well-developed eggs in the ovary.

One bird shot on the 26th of May is in the brown plumage of the female, but the spots on the throat and breast are larger and darker.

Another shot on the 28th of May, and marked "male," is also in plumage similar to that of the female, but has a few irregular metallic feathers on the back and secondary coverts.

An example shot on the 30th of May in the plumage of the fully adult male is said by Mr. Bury to be a female, and he notes that "the ovary contained unmistakable eggs." If the sex of this bird has been correctly ascertained, and the bodies have not been mixed in the skinning, it seems to prove the correctness of the view held by some ornithologists, that the adult female in North-East African birds becomes metallic like the male. This is alluded to by Dr. Sharpe in the 'Catalogue of the Birds in the British Museum' (xiii. p. 122).

It must be remarked that in many instances the sexes of

the birds in the present collection have been wrongly ascertained by Mr. Bury, and therefore that no great reliance can be placed on his determinations.

LAMPROCOLIUS CHALYBEUS (Hempr. & Ehrenb.).

*Lamprocolius chalybeus* Reich. ii. p. 687 (1903).

*Lamprocolius chalybeus* Lort Phillips, Ibis, 1898, p. 394.

a. ♂. Dubar, 2nd July, 1905.

b-g. ♂ ♀ et ♂ imm. Waghar, 8th July-14th Oct., 1905.

Iris bright orange-yellow; bill, legs, and feet black.

All the specimens from Dubar and Waghar have the shoulder spot violet. In immature birds this shoulder spot is much duller than in the adults.

HETEROPSAR ALBICAPILLUS (Blyth).

*Spreo albicapillus* Reich. ii. p. 678 (1903).

*Heteropsar albicapillus* Lort Phillips, Ibis, 1898, p. 395.

a-d. ♂ ♀ et imm. Waghar, 7th July-4th Nov., 1905.

e. ♂. Geloko, 6th Dec., 1905.

f-k. ♂ ♀. Burao, 31st Jan.-23rd Mar., 1905.

Immature. Bill orange tipped with blue-black; legs and feet black.

Young birds procured in July and August have the under parts as far as the belly light ashy-brown, the white streaked feathers of the adult plumage making their appearance subsequently.

SPREO SUPERBUS (Rüpp.).

*Spreo superbus* Reich. ii. p. 674 (1903); Lort Phillips, Ibis, 1898, p. 396.

a. ♂. Geloko, 20th June, 1905.

b-k. ♂ ♀. Waghar, 25th Aug.-4th Nov., 1905.

l-a'. ♂ ♀. Burao, 27th Dec., 1905-14th Jan., 1906.

SPREO SHELLEYI Sharpe.

*Spreo hildebrandti shelleyi* Reich. ii. p. 677 (1903).

a-k. ♂ ♀ et ♂ ♀ imm. Waghar, 30th June-1st Sept., 1905.

l-m. ♂ et ♂ imm. Burao, 8th Dec., 1905-4th Mar., 1906.

Iris orange (male); pale yellowish-green (female). Bill, legs, and feet black.

The British Museum contains two examples of this rare Starling,—the type-specimen, an adult from Somaliland collected by Mr. Lort Phillips, and an immature male from Webbi Shebeyli procured by Mr. F. Gillett. Mr. Bury obtained a small series of examples including three adults and a number of immature specimens, which shew all the changes in plumage from the very young bird, with the breast-feathers brownish-buff streaked with dark brown, to the adult.

*COSMOPSARUS REGIUS* Reichenow.

*Cosmopsarus regius* Reich. ii. p. 713 (1903).

*a-g.* ♂ ♀. Burao, 5th Jan.—20th Mar., 1906.

A fine series of this splendid Starling, all in fully adult plumage.

*AMYDRUS BLYTHI* Hartl.

*Amydrus blythi* Lort Phillips, Ibis, 1898, p. 395; Grant, Nat. Hist. Sokotra and Abd-el-Kuri, p. 23 (1903).

*a-f.* ♂ ♀ et ♂ ♀ imm. Dubar, 1st May—1st June, 1905.

*g-n.* ♂ ♀ et ♀ imm. Waghar, 10th July—28th Oct., 1905.

The immature female does not possess the grey head and hind-neck of the adult, but resembles the adult male, lacking, however, the marked purplish gloss on the feathers of the head and back, while the breast is of a dull brown colour.

[Always seen in flocks feeding on wild figs; the birds had not paired on the 12th of May.—*G. W. B.*]

*BUPHAGA ERYTHORHYNCHA* (Stanl.).

*Buphagus erythrorhynchus* Reich. ii. p. 667 (1903).

*a.* ♂. Waghar, 15th July, 1905.

Family *DICRURIDÆ*.

*BUCHANGA ASSIMILIS* (Bechst.).

*Buchanga assimilis* Lort Phillips, Ibis, 1898, p. 396.

*Dicrurus afer* Reich. ii. p. 646 (1903).

*a-b.* ♂ ♀. Geloko, 20th June, 1905.



*c-n.* ♂ ♀ et ♂ ♀ imm. Waghar, 2nd July–23rd Oct., 1905.

*o-p.* ♂ ♀ et ♀ imm. Burao, 17th Oct., 1905–22nd Jan., 1906.

A curious light-coloured example shot on the 1st of September has the plumage pale brown, the primary quills and tail-feathers being of a soiled white. The bird is in much worn plumage.

#### Family PLOCEIDÆ.

ESTRILDA NIGRIMENTUM Salvad.

*Estrilda nigrimentum* Reich. iii. p. 190 (1904).

*a.* ♂. Waghar, 12th Aug., 1905.

Bill dark slate-coloured, black at the tip; legs and feet black.

GRANATINA IANTHINOASTRA Reichenow.

*Uraginthus ianthinogaster* Reich. iii. p. 211 (1904).

*a-d.* ♂ ♀. Waghar, 25th Aug.–8th Nov., 1905.

Bill and orbital circle vermilion; legs and feet black.

ANAPLECTES MELANOTIS (Lafr.).

*Anaplectes melanotis* Reich. iii. p. 26 (1904).

*a, b.* ♂ ♀. Waghar, 30th June–23rd July, 1905.

Iris brown; bill pale vermilion; legs and feet brown washed with white.

HYPHANTORNIS VITELLINA (Licht.).

*Ploceus vitellinus* Grant, Ibis, 1900, p. 133; Reich. iii. p. 81 (1904).

*a, b.* ♂ ♀ et ♂ ♀ imm. Waghar, 14th–30th Oct., 1905.

*c, d.* ♂. Burao, 9th Dec., 1905, 21st Feb., 1906.

DINEMELLIA DINEMELLI (Rüpp.).

*Dinemellia dinemelli* Lort Phillips, Ibis, 1898, p. 397; Reich. iii. p. 7 (1904).

*a.* ♂. Geloko, 6th Dec., 1905.

*b-l.* ♂ ♀ et imm. Waghar, 30th June–4th Nov., 1905.

*m-v.* ♂ ♀. Burao, 6th Jan.–24th Feb., 1906.

On the label of a bird shot on July 27th at Waghar, Mr. Bury remarks "apparently just arriving from the plains below."

## Family FRINGILLIDÆ.

RHYNCHOSTRUTHUS LOUISÆ Lort Phillips.

*Rhynchostruthus louisæ* Lort Phillips, Ibis, 1898, p. 398, pl. viii.; Reich. iii. p. 280 (1904).

*a-k.* ♂ ♀. Waghar, 15th Aug.—28th Nov., 1905.

Bill dark slate-coloured; legs and feet dark brown.

Mr. Bury obtained a small series of this fine Finch from Waghar. In 1897 Mr. Lort Phillips found it in the same locality, and single examples were also obtained by him from the Sheikh Pass in 1895 and 1897. This species was fully described and figured in the 'Ibis' for 1898. Mr. Bury met with this species singly; it was feeding on the fruit of the tall candelabra-cactus, where its sparrow-like attitude betrayed it. In South Arabia the allied form *R. percivali* Grant (Bull. B. O. C. xi. p. 30) was usually met with in flocks.

PETRONIA PYRGITA (Heugl.).

*Petronia pyrgita* Lort Phillips, Ibis, 1898, p. 397; Reich. iii. p. 245 (1904).

*a.* ♂ imm. Dubar, 26th May, 1905.

*b-m.* ♂ ♀ et ♂ ♀ imm. Waghar, 6th July—18th Dec., 1905.

*o-p.* ♂ ♀. Burao, 10th & 30th Jan., 1906.

PASSER CASTANOPTERUS Blyth.

*Passer castanopterus* Lort Phillips, Ibis, 1898, p. 397; Grant, Ibis, 1901, p. 624; Reich. iii. p. 242 (1904).

*a, b.* ♂ ♀. Dubar, 3rd & 8th June, 1905.

*c.* ♂. Waghar, 1st July, 1905.

*d-u.* ♂ ♀. Burao, 15th Dec., 1905—15th Feb., 1906.

Bill purplish horn-coloured; lower mandible pale mauve; gape yellow; legs and feet pale horn-coloured or silvery grey.

The bird obtained on the 3rd of June was the first Sparrow of this species seen by Mr. Bury, so we may conclude that it was not very plentiful in that locality. An example labelled "male, Waghar, 1st July, 1905," is in the plumage of a female, for which Mr. Bury first mistook it, but he notes that on dissection the testes were plainly visible.

As the female of this species does not appear to have been described, I add the following description:—

*Adult female.* Entire upper parts brownish-grey, the feathers on the mantle tipped with blackish-brown; a broad buff superciliary streak; under parts light yellowish white, washed with greyish on the throat and breast.

It most nearly resembles *Passer yatei* Sharpe, but lacks the pronounced yellow band across the fore-neck. It is also allied to *P. cinnamomeus* Gould, but in this latter species the upper parts are much darker and the lower back is washed with rufous.

PASSER SWAINSONI (Rüpp.).

*Passer swainsoni* Reich. iii. p. 229 (1904).

a. ♂. Dubar, 29th May, 1905.

POLIOSPIZA TRISTRIATA (Rüpp.).

*Poliospiza pallidior* Lort Phillips, Ibis, 1898, p. 398.

*Poliospiza tristriata* Reich. iii. p. 259 (1904).

a-m. ♂ ♀ et ♂ ♀ imm. Waghar, 1st July–31st Oct., 1905.

Iris brown; bill horn-coloured; legs and feet pale brown; toes dark brown.

Mr. Lort Phillips has separated the Somaliland bird from *P. tristriata* under the name of *P. pallidior*, on the ground that the former is very much greyer on the breast and sides of the body; he also mentions the dark colour of the bill as a conspicuous character. I have compared the series of birds obtained by Mr. Bury at Waghar with a series of *P. tristriata* in the British Museum, and also with Mr. Lort Phillips' examples from Somaliland, and I cannot see the necessity of separating them under different specific names; the colour of the breast in at least two specimens procured by Mr. Bury is exactly similar to that of an example from Abyssinia, and though in some examples from Somaliland the belly is certainly whiter than in birds from Abyssinia, there are others from that country which shew as much white on the lower surface as the type of *P. pallidior*. Immature birds of both races are indistinguishable.

## SERINUS MACULICOLLIS Sharpe.

*Serinus maculicollis* Lort Phillips, Ibis, 1898, p. 399 ; Reich. iii. p. 269 (1904).

*a, b.* ♀ et ♀ imm. Waghar, 19th Aug., 1905.

*c.* ♀. Burao, 8th Jan., 1906.

Bill dark horn-coloured ; lower mandible lighter ; legs and feet brownish slate-coloured.

## EMBERIZA HORTULANA Linn.

*Emberiza hortulana* Reich. iii. p. 281 (1904).

*a-h.* ♂. Waghar, 25th Sept.—19th Oct., 1905.

Bill reddish-brown ; legs, feet, and toes pale brown. All the above-mentioned specimens, with one exception, have the breast deeply streaked with dark brown.

## EMBERIZA POLIOPLEURA Salvad.

*Emberiza poliopleura* Reich. iii. p. 286 (1905).

*a, b.* ♂ et ♂ imm. Waghar, 7th Aug.—17th Oct., 1905.

Upper mandible dark brown with a purplish tinge ; lower mandible pale flesh-coloured ; legs and feet greenish-brown.

## FRINGILLARIA TAHAPISI (A. Smith).

*Fringillaria tahapisi* Lort Phillips, Ibis, 1898, p. 399 ; Reich. iii. p. 289 (1904).

*a-c.* ♂. Waghar, 6th July—6th Oct., 1905.

## FRINGILLARIA SATURATIO Sharpe.

*Fringillaria saturatio* Reich. iii. p. 292 (1904).

*a-c.* ♂ ♀. Dubar, 7th—8th June, 1905.

Mr. Bury notes that this Bunting was "always found near water." It appears to be a slightly smaller and darker form of *F. striolata* Licht.

<i>F. striolata.</i>	<i>F. saturatio.</i>
Wing: ♂ 3·1 in., ♀ 3·1 in.	Wing: ♂ 2·85–2·9 in., ♀ 2·75–2·8 in.

## Family ALAUDIDÆ.

## MIRAFRA GILLETTI Sharpe.

*Mirafra gilletti* Lort Phillips, Ibis, 1898, p. 401 ; Shelley,



B. Afr. iii. p. 35, pl. xv. fig. 1 (1902); Reich. iii. p. 333 (1904).

a. ♂. Ragar plateau, 23rd June, 1905.

b. ♀. Burao, 8th Feb., 1906.

GALERIDA CRISTATA (Linn.).

*Galerita cristata* Lort Phillips, Ibis, 1898, p. 401.

*Galerida cristata senegalensis* (Müll.), Reich. iii. p. 359 (1904).

a-m. ♂ ♀ et ♂ ♀ imm. Waghar, 24th June-1st Dec., 1905.

Bill, upper mandible dark slate-coloured, lower mandible bluish buff; legs, feet, and toes pale buff.

These birds belong to the form which is known as *G. senegalensis*.

AMMOMANES AKELEYI Elliot.

*Ammomanes phœnicuroides* Reich. iii. p. 357 (1904).

*Ammomanes akeleyi* Lort Phillips, Ibis, 1898, p. 401.

a-c. ♂ ♀. Dubar, 31st May-2nd June, 1905.

d-g. ♂ ♀. Waghar, 15th Aug.-28th Aug., 1905.

Upper mandible pale slate-coloured; lower mandible pale horn-coloured, orange-brown at the base; legs and feet flesh-or pale horn-coloured; toes brown.

#### Family MOTACILLIDÆ.

ANTHUS TRIVIALIS (Linn.).

*Anthus trivialis* Reich. iii. p. 311 (1904).

a-f. ♂ ♀. Waghar, 22nd Sept.-6th Oct., 1905.

ANTHUS SORDIDUS Rüpp.

*Anthus leucophrys sordidus* Reich. iii. p. 318 (1904).

*Anthus sordidus* Lort Phillips, Ibis, 1898, p. 402.

a. ♂. Ragar plateau, 23rd June, 1905.

b-c'. ♂ ♀ et ♂ ♀ imm. Waghar, 25th June-3rd Nov., 1905.

Immature birds of this species have the feathers of the upper parts black margined with sandy buff, very different

from those of the adult, which are nearly uniform greyish-brown, margined with sandy buff. There can be no doubt that these dark-backed birds are the young of the present species, for *A. sordidus* is the only Pipit found in the island of Sokotra, and there are quite young birds in the British Museum Collection procured by Mr. Ogilvie-Grant, which shew these characters plainly.

ANTHUS RUFULUS Vieill.

*Anthus rufulus cinnamomeus* Rüpp., Reich. iii. p. 313 (1904).

a. ♂. Waghar, 27th June, 1905.

MOTACILLA BOARULA Linn.

*Motacilla boarula* Linn., Reich. iii. p. 302 (1904) [part].

*Motacilla melanope* Lort Phillips, Ibis, 1898, p. 401.

a. ♀. Waghar, 1st Nov., 1905.

Family NECTARINIIDÆ.

NECTARINIA METALLICA (Licht.).

*Hedydipna metallica* Lort Phillips, Ibis, 1898, p. 404; Reich. iii. p. 493 (1905).

a-c. ♂ ♀. Dubar, 11th May-31st May, 1905.

d. ♀. Waghar, 8th Nov., 1905.

e-g. ♂ et ♂ imm. Burao, 1st March, 1906.

Mr. Bury notes that on the 11th of May this Sunbird was "always to be seen in pairs, hunting for insects on the wild figs."

CINNYRIS HABESSINICUS (Hempr. & Ehrenb.).

*Cinnyris habessinicus* Lort Phillips, Ibis, 1898, p. 402.

a-t. ♂ ♀ et ♂ ♀ imm. Waghar, 2nd July-8th Nov., 1905.

u. ♂. Burao, 30th Jan., 1906.

This is a very complete series obtained between the months of July and November, and in January. All stages of plumage between the immature and the adult are represented.

CINNYRIS OSIRIS (Finsch).

*Cinnyris mariquensis osiris* Reich. iii. p. 480 (1905).

a-d. ♂ ♀. Waghar, 20th Sept.—8th Nov., 1905.

e-l. ♂ ♀ et ♂ imm. Burao, 19th Jan.—22nd March, 1906.

CINNYRIS ALBIVENTRIS (Strickl.).

*Cinnyris albiventris* Lort Phillips, Ibis, 1898, p. 403 ; Reich. iii. p. 471 (1905).

a-f. ♂ ♀ et ♂ ♀ imm. Waghar, 20th Oct.—9th Nov., 1905.

g-n. ♂. Burao, 15th Dec., 1905—22nd Jan., 1906.

CINNYRIS HUNTERI (Shelley).

*Chalcomitra hunteri* Reich. iii. p. 462 (1905).

a-n. ♂ ♀ et ♂ imm. et ♂ juv. Burao, 20th—22nd Jan., 1906.

ANTHOTHREPTES ORIENTALIS (Hartl.).

*Anthothreptes orientalis* Lort Phillips, Ibis, 1898, p. 404.

*Anthreptes longuemarei* (Less.), Reich. iii. p. 446 (1905).

a. ♂. Geloko, 20th June, 1905.

Family ZOSTEROPIDÆ.

ZOSTEROPS ABYSSINICA Guér.

*Zosterops abyssinica* Reich. iii. p. 435 (1905).

a-h. ♂ ♀. Waghar, 6th June—20th Sept., 1905.

Family PARIDÆ.

PARUS THRUPPI Shelley.

*Parus thruppi* Shelley, Ibis, 1889, p. 406, pl. xi. fig. 2 ; Lort Phillips, Ibis, 1898, p. 404 ; Reich. iii. p. 517 (1905).

a-k. ♂ ♀. Waghar, 2nd July—18th Oct., 1905.

l-r. ♂ ♀. Burao, 15th Dec. 1905—1st Feb., 1906.

Bill black ; legs and feet pale slate-coloured.

Family LANIIDÆ.

TELEPHONUS JAMESI Shelley.

*Telephonus jamesi* Shelley, Ibis, 1885, p. 403, pl. x. fig. 2 ; Lort Phillips, Ibis, 1898, p. 405.

*Pomatorhynchus jamesi* Reich. ii. p. 551 (1903).

a-e. ♂ ♀. Waghar, 25th July—13th Oct., 1905.

*DRYOSCOPIUS FUNEBRIS* (Hartl.).

*Dryoscopus funebris* Lort Phillips, Ibis, 1898, p. 406.

*Laniarius funebris* Reich. ii. p. 574 (1903).

*a.* ♀. Dubar, 28th May, 1905.

*b-o.* ♂ ♀. Waghar, 29th June–30th Nov., 1905.

*p-s.* ♂ ♀. Burao, 23rd Feb.–29th Dec., 1906.

Iris pale blue; bill black; legs black; feet black, washed with grey.

[Found in dense bush; it has a curious metallic gong-like note.—*G. W. B.*]

*DRYOSCOPIUS ÆTHIOPICUS* (Gmel.).

*Dryoscopus æthiopicus* Lort Phillips, Ibis, 1898, p. 405.

*Laniarius æthiopicus* Reich. ii. p. 577 (1903).

*a-l.* ♂ ♀ et ♂ ♀ imm. Waghar, 27th June–30th Aug., 1905.

Bill black, slate-coloured at the base of the lower mandibles in the male; legs and feet pale slate-coloured.

*LANIARIUS CRUENTUS* (Hempr. & Ehrenb.).

*Pelicienius cruentus* Reich. ii. p. 570 (1903).

*a-c.* ♂ ♀ et ♀ juv. Dubar, 21st May–5th June, 1905.

*d-g.* ♂ ♀ et ♂ ♀ imm. Waghar, 3rd Aug.–4th Sept., 1905.

*h-w.* ♂ ♀. Burao, 11th Nov., 1905–22nd March, 1906.

Mr. Bury obtained a very fine series of this Crimson-breasted Bush-Shrike.

*LANIARIUS APPROXIMANS* Cab.

*Laniarius approximans* Grant, Ibis, 1908, p. 287.

*Malaconotus olivaceus hypopyrrhus* Reich. ii. p. 602 (1903).

*a.* ♀. Waghar, 30th Aug., 1905.

Iris pale yellow; bill dark slate-coloured (almost black); legs and feet pale slate-coloured; toes dark slate-coloured.

This individual is an example of the race which Prof. Neumann has separated from the East-African form (*L. approximans*) under the name of *Malaconotus poliocephalus schoanus*. The difference is purely a matter of size, the wing of the present specimen measuring 4·7 inches, whereas in the wing of a typical Abyssinian bird it measures 4·2–4·3 inches.



LANIARIUS RUFICEPS (Shelley).

*Dryoscopus ruficeps* Shelley, Ibis, 1885, p. 402, pl. x.  
fig. 1.

*Laniarius ruficeps* Reich. ii. p. 585 (1903).

a-f. ♂ ♀. Burao, 15th-26th Feb., 1906.

NILAUS MINOR Sharpe.

*Nilaus minor* Sharpe, P. Z. S. 1895, p. 479; Lort Phillips, Ibis, 1898, p. 406; Grant & Reid, Ibis, 1901, p. 641.

*Nilaus afer minor* Reich. ii. p. 540 (1903).

a. ♂. Ragar, 22nd June, 1905.

b-i. ♂ ♀ et ♂ imm. Waghar, 23rd July-4th Sept., 1905.

k-r. ♂ ♀. Burao, 20th Jan.-17th March, 1906.

Iris very dark brown; bill blue-black, base of lower mandible slate-coloured; legs and feet pale slate-coloured; nails black.

The female of *Nilaus minor* does not seem to have been described. There is only one example marked as a female in the British Museum Collection, namely one from the Athi River, collected by Lord Delamere. Mr. Bury, however, obtained several at Waghar and Burao.

I have compared these with the hen of *N. capensis* Shaw, and beyond the difference in size, which, however, is most conspicuous, I can find no other distinguishing feature.

The following is a comparative list of the wing measurements of both birds:--

	in.
<i>Nilaus capensis</i> from Damaraland.....	3.5
<i>Nilaus minor</i> from the Athi River .....	3.1
"    "    "    Burao .....	2.85-2.9
"    "    "    Waghar .....	2.9

LANIUS COLLURIO Linn.

*Lanius collurio* Grant, Nov. Zool. ix. p. 471 (1902); Reich. ii. p. 622 (1903).

a. ♂. Dubar, 11th May, 1905.

b-e. ♂ ♀ et ♂ imm. Waghar, 26th Sept.-31st Oct., 1905.

## LANIUS ISABELLINUS Hempr. &amp; Ehrenb.

*Lanius isabellinus* Grant, Nov. Zool. ix. p. 482 (1902); Reich. ii. p. 624 (1903).

*a-i.* ♂ ♀. Waghar, 21st Sept.—26th Oct., 1905.

## LANIUS PALLIDIROSTRIS Cass.

*Lanius pallidirostris* Grant, Nov. Zool. ix. p. 459 (1902); Reich. ii. p. 620 (1903).

*a.* ♂. Dubar, 3rd June, 1905.

## LANIUS ANTINORII Salvad.

*Lanius antinorii* Lort Phillips, Ibis, 1898, p. 405; Grant, Nov. Zool. ix. p. 463 (1902); Reich. ii. p. 614 (1903).

*a-f.* ♂ ♀ et ♂ imm. Dubar, 28th March—13th June, 1905.

*g-w.* ♂ ♀ et ♂ ♀ imm. Waghar, 26th June—30th Oct., 1905.

*x-q'.* ♂ ♀. Burao, 15th Dec., 1905—22nd Jan., 1906.

The adult birds among the large series of specimens collected by Mr. Bury shew little or no variation in the markings of the wing- and tail-feathers.

## Family PRIONOPIDÆ.

## PRIONOPS CRISTATUS Rüpp.

*Prionops cristata* Reich. ii. p. 530 (1903).

*a-f.* ♂ ♀ et ♂ imm. Burao, 17th Feb.—March, 1906.

Iris and orbital patch bright yellow; bill jet-black; legs and feet coral-red; toes slate-coloured.

## EUROCEPHALUS RUEPELLI Bonap.

*Eurocephalus rueppelli* Lort Phillips, Ibis, 1898, p. 406.

*Eurocephalus rüppelli* Reich. ii. p. 526 (1903).

*a.* ♂ imm. Libah Rajaz, 21st June, 1905.

*b-e.* ♂ ♀ et ♀ imm. Waghar, 7th Aug.—8th Nov., 1905.

*f-i.* ♂ ♀. Burao, 6th Jan.—21st Feb., 1906.

Family SYLVIIDÆ.

ACROCEPHALUS PHRAGMITIS (Bechst.).

*Acrocephalus schænobæus* (Linn.); Reich. iii. p. 588 (1905).

a. ♀. Dubar, 23rd June, 1905.

Iris brown; upper mandible black, lower mandible horn-coloured; legs and feet pale horn-coloured.

ACROCEPHALUS TURDOIDES (Meyer).

*Acrocephalus arundinaceus* (Linn.); Reich. iii. p. 585 (1905).

a. ♀. Dubar, 11th May, 1905.

Iris pale grey; bill and legs bluish horn-coloured; feet pale slate-coloured.

DAULIAS GOLZI (Cab.).

*Edon golzi* Reich. iii. p. 787 (1905).

a. ♂. Waghar, 23rd Oct., 1905.

SYLVIA ATRICAPILLA (Linn.).

*Sylvia atricapilla* Reich. iii. p. 650 (1905).

a. ♀. Waghar, 18th Nov., 1905.

Bill very dark brown; legs and feet pearl-grey.

SYLVIA CINEREA Bechst.

*Sylvia cinerea* Lort Phillips, Ibis, 1898, p. 407.

*Sylvia sylvia* (Linn.), Reich. iii. p. 650 (1905).

a-k. ♂ ♀ imm. Waghar, 22nd Sept.-28th Oct., 1905.

HYPOLAIS LANGUIDA (Hempr. & Ehrenb.).

*Hypolais languida* Lort Phillips, Ibis, 1898, p. 408.

*Hypolais languida* Reich. iii. p. 646 (1905).

a-f. ♂ ♀. Waghar, 15th Aug.-20th Sept., 1905.

Upper mandible purplish-brown, lower mandible horn-coloured; legs and feet greyish-brown; toes brown.

CALAMONASTES SIMPLEX (Cab.).

*Calamonastes simplex* Lort Phillips, Ibis, 1898, p. 410; Reich. iii. p. 573 (1905).

a. ♀. Waghar, 27th Aug., 1905.

b. ♂. Burao, 21st Feb., 1906.

## PARISOMA BLANFORDI (Seeb.)

*Parisoma blanfordi* Reich. iii. p. 522 (1905).

*a-c.* ♂ et ♂ imm. Dubar, 31st May–6th June, 1905.

*d-f.* ♂ ♀ et ♂ imm. Waghar, 6th July–28th Aug., 1905.

A good series of this rare Warbler was procured by Mr. Bury.

## PARISOMA BOEHMI Reichenow.

*Parisoma böhmi* Reich. iii. p. 520 (1905).

*a-k.* ♂ ♀. Burao, 7th–22nd Jan., 1906.

## SYLVIELLA MICRURA (Rüpp.).

*Sylviella micrura* Grant, Ibis, 1900, p. 154 & 1907 p. 593 ; Lort Phillips, Ibis, 1898, p. 409.

*Sylvietta leucopsis* Reich. iii. p. 629 (1905).

*a.* ♂ imm. Dubar, 7th June, 1905.

*b-e.* ♂ ♀ et ♂ imm. Waghar, 28th July–17th Oct., 1905.

Iris brown ; bill dark brown, tinged with purple ; legs and feet flesh-coloured.

## SYLVIELLA GAIKWARI Sharpe.

*Sylviella gaikwari* Sharpe, Bull. B. O. C. xi. p. 47 (1901) ; id. P. Z. S. 1901, p. 306 ; Bannerman, Bull. B. O. C. xxv. p. 21 (1909).

*Sylvietta gaikwari* Reich. iii. p. 630 (1905).

*a.* ♀ ad. Burao, 22nd Jan., 1906.

The type-specimen, an adult male in the British Museum Collection, obtained by Dr. Donaldson Smith at Ania, in Northern Somaliland, was hitherto the only example known. An adult female of this rare species was obtained by Mr. G. W. Bury further east, at Burao, and I have thought it of sufficient importance to describe it. This skin is in fine condition, the feathers being freshly moulted and considerably lighter in colour than in the type-specimen, the wing of which measures 2·5 inches.

*Adult female.* Head, entire upper parts, and tail grey, slightly tinged with olive ; sides of the face and lores light



buff; eyebrows white; throat white; under parts whitish, washed with buff on the flanks, becoming darker on the thighs; under wing-coverts white tinged with buff; wing 2.25 inches.

*DRYODROMAS SMITHI* Sharpe.

*Dryodromas smithi* Sharpe, Bull. B. O. C. iv. p. xxix (1895); Lort Phillips, Ibis, 1898, p. 409.

*Apalis rufifrons* (Rüpp.), Reich. iii. p. 600 (1905).

a. ♂. Dubar, 4th June, 1905.

b-i. ♂ ♀ et ♀ imm. Waghar, 25th July-20th Oct., 1905.

k-m. ♂ ♀. Burao, 22nd Jan.-1st March, 1906.

*Male.* Iris pale brown, upper mandible brownish-purple, paler at the base, lower mandible similar but paler; legs and feet pale brown; toes dark brown.

The series procured by Mr. Bury belongs to the southern form which has been separated from *D. rufifrons* by Dr. Sharpe (P. Z. S. 1895, p. 482). They have the outer web of the outer tail-feathers white; but very few have white edgings to the wing-coverts and inner secondaries, the immature birds shewing no trace of it; no doubt the white edges soon become worn. In the three examples from Burao the chestnut on the head is very bright, and extends onto the nape.

*APALIS VIRIDICEPS* Hawker.

*Apalis viridiceps* Hawker, Ibis, 1899, p. 71, pl. ii. fig. 1; Reich. iii. p. 612 (1905).

a-e. ♂ ♀. Burao, 3rd Jan.-1st March, 1906.

*EREMOMELA FLAVOCRISALIS* Sharpe.

*Eremomela flavicrissalis* Reich. iii. p. 636 (1905); Lort Phillips, Ibis, 1898, p. 409.

a-d. ♂ ♀. Waghar, 14th Aug.-18th Oct., 1905.

e-k. ♂ ♀. Burao, 5th-20th Jan., 1906.

*CAMAROPTERA CHRYSOCNEMIS* Licht.

*Camaroptera chrysocnemis* Grant & Reid, Ibis, 1901, p. 648.

*Camaroptera griseoviridis* (v. Müll.), Reich. iii. p. 616 (1905).

*Camaroptera brevicaudata* Cretzschm., Lort Phillips, Ibis, 1898, p. 409.

*a-e.* ♂. Waghar, 22nd July–18th Nov., 1905.

Bill dark brown ; legs and feet brownish flesh-coloured.

This species has very properly been separated from *C. brevicaudata*, the under parts being very much greyer than in that species and only becoming white on the middle of the belly.

#### Family TURDIDÆ.

TURDUS LUDOVICIÆ Lort Phillips.

*Merula ludovicicæ* Lort Phillips, Ibis, 1898, p. 410.

*Turdus ludovicicæ* Reich. iii. p. 685 (1905).

*a-g.* ♂ ♀ et ♂ ♀ imm. Waghar, 10th July–4th Oct., 1905.

MONTICOLA RUFOCINEREUS (Rüpp.).

*Monticola rufocinereus* Lort Phillips, Ibis, 1898, p. 411 ; Reich. iii. p. 697 (1905).

*a-n.* ♂ ♀. Waghar, 27th June–28th Aug., 26th Oct., 1905.

MONTICOLA CYANUS Linn.

*Monticola cyanus* Lort Phillips, Ibis, 1898, p. 411 ; Reich. iii. p. 700 (1905).

*a.* ♂. Waghar, 31st Oct., 1905.

MONTICOLA SAXATILIS Linn.

*Monticola saxatilis* Lort Phillips, Ibis, 1898, p. 410 ; Reich. iii. p. 699 (1905).

*a-c.* ♂ ♀. Waghar, 21st Sept.–1st Nov., 1905.

RUTICILLA RUFIVENTRIS (Vieill.).

*Ruticilla rufiventris* Reich. iii. p. 781 (1905).

*a.* ♂. Burao, 21st Feb., 1906.

*b-f.* ♂ ♀. Waghar, 20th Oct.–1st Nov., 1905.

Some of the males collected by Mr. Bury have the back

much greyer than in Indian examples of *R. rufiventris*, and on turning up the feathers of the mantle we find no concealed black subterminal portion: some Somaliland birds, however, have black on the feathers of the mantle, and others are not to be separated from specimens from India. This difference does not appear to be seasonal.

ERYTHROPYGIA HAMERTONI Grant.

*Erythropygia hamertoni* Grant, Bull. B. O. C. xix. p. 24 (1906).

a. ♂ imm. Waghar, 12th Aug., 1905.

This rather remarkable form is fully described in the Bulletin of the B. O. C. cited above. The type specimen was procured by Captain A. E. Hamerton at Beira.

ERYTHROPYGIA LEUCOPTERA (Rüpp.).

*Erythropygia leucoptera* Reich. iii. p. 773 (1905); Lort Phillips, Ibis, 1898, p. 410.

a-p. ♂ ♀. Burao, 20th Jan.-21st March, 1906.

MYRMECOCICHLA LIPURA (Hempr. & Ehrenb.).

*Cercomela lypura* Reich. iii. p. 712 (1905).

a, b. ♂ ♀. Dubar, 12th May-5th June, 1905.

c-p. ♂ ♀. Waghar, 2nd July-27th Oct., 1905.

A bird shot on the 27th of October is in very peculiar plumage, the entire upper surface being grey and the tail light brown, the feathers being so worn that they appear to be barred with grey. The inner webs of the primaries are light buff, and the outer webs of the secondaries are barred like the tail. The entire under surface is white, washed with pinkish-buff. This worn state of the plumage gives the bird such a peculiar appearance that at first sight it might be mistaken for a distinct species.

SAXICOLA ÆNANTHE Linn.

*Saxicola ænanthe* Reich. iii. p. 723 (1905).

a-c. ♂ ♀ et ♀ imm. Waghar, 22nd Sept., 1905.

## SAXICOLA ISABELLINA Cretzschm.

*Saxicola isabellina* Lort Phillips, Ibis, 1898, p. 412; Reich.

iii. p. 721.

a-e. ♂ ♀. Waghar, 10th Oct.-3rd Nov., 1905.

## SAXICOLA DESERTI Temm.

*Saxicola deserti* Lort Phillips, Ibis, 1898, p. 413; Reich.

iii. p. 726 (1905).

a-f. ♂. Burao, 19th Jan.-22nd Feb., 1906.

## SAXICOLA PLESCHANKA (Lepech.).

*Saxicola leucomela* Grant, Ibis, 1890, p. 165.

*Saxicola morio* Lort Phillips, Ibis, 1898, p. 413.

*Saxicola pleschanka* Grant, Nov. Zool. vii. p. 256 (1900).

a-t. ♂ ♀. Waghar, 10th Oct.-2nd Nov., 1905.

## SAXICOLA VITTATA Hempr. &amp; Ehrenb.

*Saxicola vittata* Grant & Reid, Ibis, 1901, p. 658; Reich.

iii. p. 724 (1905).

*Saxicola somalica* Sharpe, P. Z. S. 1895, p. 486.

a, b. ♂ ♀ [♂]. Waghar, 24th Oct.-2nd Nov., 1905.

Two examples of this rare Chat in freshly-moulted winter-plumage.

## SAXICOLA PHILLIPSI Shelley.

*Saxicola phillipsi* Lort Phillips, Ibis, 1898, p. 412; Reich.

iii. p. 724 (1905).

a. ♂ imm. Ragar, 22nd June, 1905.

b-s. ♂ ♀ et ♂ ♀ imm. Waghar, 23rd June-4th Nov., 1905.

## PRATINCOLA MAURA (Pall.).

*Pratincola maura* Reich. iii. p. 734.

a, b. ♂ ♀. Waghar, 22nd Sept. 1905.

## Family TIMELIIDÆ.

## CRATEROPUS SMITHI Sharpe.

*Crateropus smithi* Reich. iii. p. 664 (1905).

a-p. ♂ ♀ et ♂ ♀ imm. Waghar, 10th July-1st Nov., 1905.



Iris bright red or chestnut-brown ; bill blue-black ; legs pale slate-coloured ; legs and feet black.

ARGYA AYLNERI Shelley.

*Argya aylneri* Shelley, Ibis, 1885, p. 404, pl. xi. fig. 1 ; Reich. iii. p. 673 (1905).

a-f. ♂ ♀ et ♂ imm. Burao, 1st Feb.-20th March, 1906.

This species was first described and figured from examples procured by Mr. Lort Phillips in North Somaliland.

Family PYCNONOTIDÆ.

PYCNONOTUS ARSINOË (Hempr. & Ehrenb.).

*Pycnonotus arsinœ* Lort Phillips, Ibis, 1898, p. 413.

*Pycnonotus arsinœ somaliensis* Reich. iii. p. 840 (1905).

a, b. ♂ ♀. Ragar, 22nd-23rd June, 1905.

c. ♀. Dubar, 23rd May, 1905.

d-l. ♂ ♀ et ♂ juv. Waghar, 2nd July-23rd Oct., 1905.

m-r. ♂ ♀. Burao, 29th Dec., 1905, 2nd Jan.-23rd Feb., 1906.

Bill jet-black ; legs and feet black.

Family MUSCICAPIDÆ.

MUSCICAPA GRISOLA Linn.

*Muscicapa grisola* Reich. ii. p. 449 (1903).

a-g. ♂ ♀. Waghar, 6th Sept.-26th Oct., 1905.

MUSCICAPA ATRICAPILLA Linn.

*Muscicapa atricapilla* Reich. ii. p. 451 (1903).

a-b. ♂ ♀. Waghar, 16th Aug.-1st Sept., 1905.

The occurrence of this species in Somaliland is not noted by Dr. Sharpe (P. Z. S. 1895), Mr. Lort Phillips (Ibis, 1896 and 1898), or by Mr. Ogilvie-Grant (Ibis, 1900).

MUSCICAPA SOMALIENSIS Bannerman.

*Muscicapa somaliensis* Bannerman, Bull. B. O. C. vol. xxv. p. 20 (1909).

a-m. ♂ ♀ et ♀ imm. Waghar, 22nd June-1st Sept., 1905. (Including the types of the species.)

This Flycatcher is very closely allied to *M. grisola*, L., but differs from that species in the following points:—The entire upper parts are brown, the forehead and crown being uniform and similar in colour to the back, not streaked with dark brown as in *M. grisola*; the lores and feathers in front of the eye white; the cheeks uniform pale brown; the throat white; the chest indistinctly streaked with brown (not boldly striated as in *M. grisola*); and the rest of the under surface white. Iris dark brown; upper mandible purplish-brown, lower mandible pale purple; legs, feet, and toes greyish-brown.

Total length (average measurement of 12 specimens) 5 inches; bill (from the base of the skull to the tip) 0·6; wing 2·9; tail 2·5; tarsus 0·68.

<i>Muscicapa grisola.</i>		<i>Muscicapa somaliensis.</i>	
Total length....	5·4 inches.	Total length....	5 inches.
Culmen.....	0·55 „	Culmen.....	0·6 „
Wing .....	3·4 „	Wing .....	2·9 „
Tail .....	2·45 „	Tail .....	2·5 „
Tarsus .....	0·6 „	Tarsus .....	0·68 „

In all other respects the skins which I have examined are similar to *M. grisola*, but the characters mentioned above appear to be sufficient to separate them from that species.

*CRYPTOLOPHA UMBRIVIRENS* (Rüpp.).

*Cryptolopha umbrovirens* Reich. ii. p. 463 (1903).

*a, b.* ♂. Waghar, 15th July–1st Nov., 1905.

Upper mandible dark purplish brown (almost black), lower mandible pale horn-coloured; legs and feet dark brown with a slight greyish tint.

*BATIS ORIENTALIS* (Heugl.).

*Batis orientalis* Reich. ii. p. 481 (1903).

*a-m.* ♂ ♀. Waghar, 23rd June–18th Oct., 1905.

*n-g.* ♂. Burao, 3rd Jan.–17th Feb., 1906.

Iris bright yellow; bill black; legs and feet black.

[In one bird which was dissected the stomach was found to contain a large number of ants.—*G. W. B.*]

TERPSIPHONE CRISTATA (Gmel.).

*Terpsiphone cristata* Lort Phillips, Ibis, 1898, p. 414.

*Tchitreia viridis* (Müll.), Reich. ii. p. 504 (1903).

*a-i.* ♂ ♀ et ♂ imm. Waghar, 28th June–11th Aug., 1905.

BRADYORNIS PUMILUS Sharpe.

*Bradyornis pumilus* Lort Phillips, Ibis, 1898, p. 406.

*Bradornis griseus* Reich. ii. p. 438 (1903).

*a.* ♂. Geloko, 20th June, 1905.

*b-l.* ♂ ♀. Waghar, 6th July–9th Nov., 1905.

*m-x.* ♂ ♀. Burao, 13th Dec.–19th Jan., 1906.

In this series there seems to be a great diversity in the size of the bill. In a specimen shot 6th July, 1905, the bill measures only 0·45 inch, as compared with 0·6 in most of the other examples.

Family HIRUNDINIDÆ.

COTILE OBSOLETA (Cab.).

*Cotile obsoleta* Lort Phillips, Ibis, 1898, p. 414.

*Riparia obsoleta* Reich. ii. p. 398 (1905).

*a.* ♂. Waghar, 6th July, 1905.

HIRUNDO ÆTHIOPICA Blanf.

*Hirundo æthiopica* Reich. ii. p. 406 (1903).

*a.* ♂. Waghar, 29th Sept., 1905.

*b, c.* ♀. Burao, 8th & 10th Jan., 1906.

Family PICIDÆ.

CAMPOTHERA NUBICA (Gmel.).

*Campothera nubica* Lort Phillips, Ibis, 1898, p. 415.

*Dendromus nubicus* Reich. ii. p. 178 (1902).

*a.* ♂. Dubar, 4th June, 1905.

*b-h.* ♂. Waghar, 15th July–24th Oct., 1905.

*i-t.* ♂ ♀ et ♂ imm. Burao, 5th Jan.–10th June, 1906.

Iris mauve (pinkish); bill rusty black; legs and feet sage-green washed with white.

DENDROPICUS HEMPRICHI (Hempr. & Ehrenb.).

*Dendropicos hemprichi* Reich. ii. p. 197 (1902).

*Dendromus hemprichi* Lort Phillips, Ibis, 1898, p. 414.

*a-h.* ♂ ♀. Waghar, 26th June–14th Oct., 1905.

*i-t.* ♂ ♀. Burao, 9th Jan.–30th June, 1906.

[A pair were shot tapping about on a giant Cactus.—  
*G. W. B.*]

THRIPIAS SCHOENSIS (Rüpp.).

*Mesopicus schoensis* Reich. ii. p. 191 (1902).

*a-l.* ♂ ♀. Burao, 7th Jan.–17th March, 1906.

#### Family INDICATORIDÆ.

INDICATOR MAJOR Steph.

*Indicator major* Reich. ii. p. 106 (1902).

*a, b.* ♂ ♀. Waghar, 30th June–10th Aug., 1905.

Bill dark brown with a slight purplish tinge, lower mandible lighter; legs and feet black washed with white.

INDICATOR MINOR Steph.

*Indicator minor* Reich. ii. p. 110 (1902).

*a.* ♀. Waghar, 10th Aug., 1905.

Bill dark slate-coloured (nearly black); legs and feet slate-coloured.

#### Family CAPITONIDÆ.

TRACHYPHONUS MARGARITATUS (Cretzschm.).

*Trachyphonus margaritatus* Reich. ii. p. 156 (1902); Lort Phillips, Ibis, 1898, p. 415.

*a-c.* ♂ ♀ et ♂ imm. Dubar, 11th–18th May, 1905.

*d.* ♀ imm. Ragar plateau, 23rd June, 1905.

*e-l.* ♂ ♀ et ♂ imm. Waghar, 23rd July–6th Sept., 1905.

[A most vociferous bird.—*G. W. B.*]

TRACHYPHONUS SHELLEYI Hartl.

*Trachyphonus shelleyi* Hartl. Ibis, 1886, pp. 105, 111, pl. v.



*Trachyphonus erythrocephalus* Reich. ii. p. 155 (1902)  
[part].

a-o. ♂ ♀. Burao, 14th Jan.-22nd March, 1906.

Dr. Reichenow has united *T. shelleyi* with *T. erythrocephalus* Cab., but the two are really very distinct species. *T. shelleyi* is considerably smaller than *T. erythrocephalus*, the wing of the former measuring 3-3.2 inches and of the latter 3.9 inches. Moreover, *T. shelleyi* has much less crimson on the cheeks and eyebrows as well as on the throat; whereas *T. erythrocephalus* has the cheeks, eyebrows, and crown almost entirely crimson, the bill much heavier and of a much deeper red. *T. versicolor* Hartl., another allied form, differs from both the above-named species in having the under tail-coverts yellow, and from *T. shelleyi* in being much larger.

TRICHOLÆMA BLANDI Lort Phillips.

*Tricholæma blandi* Lort Phillips, Ibis, 1898, p. 415, pl. ix.  
fig. 1; Reich. ii. p. 134 (1902).

a-c. ♂ ♀. Waghar, 10th-23rd Oct., 1905.

#### Family CUCULIDÆ.

COCCYSTES JACOBINUS (Bodd.).

*Coccytes jacobinus* Reich. ii. p. 78 (1902).

a. ♂. Dubar, 14th June, 1905.

b. ♂. Waghar, 4th Nov., 1905.

COCCYSTES GLANDARIUS (Linn.).

*Coccytes glandarius* Reich. ii. p. 81 (1902).

a. ♂. Burao. 17th March, 1906.

CUCULUS CANORUS Linn.

*Cuculus canorus* Reich. ii. p. 89 (1902).

a. ♂ imm. Waghar, 18th Sept., 1905.

CENTROPUS SUPERCILIOSUS (Hempr. & Ehrenb.).

*Centropus superciliosus* Reich. ii. p. 65 (1902).

a. ♂. Waghar, 4th Oct., 1905.

## Family MUSOPHAGIDÆ.

SCHIZORHIS LEUCOGASTER (Rüpp.).

*Chizaerhis leucogastra* Reich. ii. p. 33 (1902).

*Schizorhis leucogaster* Lort Phillips, Ibis, 1898, p. 416.

*a-f.* ♂ ♀. Waghar, 24th June–23rd Aug. and 21st–26th Oct., 1905.

*g-i.* ♂ ♀. Burao, 5th Jan., 1905–13th Jan., 1906.

## Family COLIIDÆ.

COLIUS MACRURUS (Linn.).

*Colius macrourus* Reich. ii. p. 210 (1902).

*Colius macrurus* Sclater in Wytzman's Gen. Av., Picariæ, pt. vi. Coliidæ, p. 4 (1906).

*a.* ♂. Geloko, 20th June, 1905.

*b, c.* ♀. Waghar, 18th July, 1905.

*d-l.* ♂ ♀. Burao, 22nd Feb.–17th March, 1906.

## Family CYPSELIDÆ.

CYPSELUS AFFINIS (J. E. Gray).

*Apus affinis* Reich. ii. p. 382 (1902).

*a.* ♂. Dubar, 7th June, 1905.

## Family CAPRIMULGIDÆ.

CAPRIMULGUS INORNATUS Heugl.

*Caprimulgus inornatus* Lort Phillips, Ibis, 1898, p. 418; Reich. ii. p. 360 (1902).

*a, b.* ♂ ♀. Dubar, 10th May & June, 1905.

*c-e.* ♂ ♀. Waghar, 24th June–18th July, 1905.

Bill fleshy pink, black at the tip; interior of the gape dark flesh-coloured; legs and feet sienna-brown washed with white; nails dark brown.

## Family MEROPIDÆ.

MELITTOPHAGUS RÉVOILII (Oust.).

*Melittophagus révoili* Reich. ii. p. 303 (1902).

*a-e.* ♂ ♀. Burao, 5th Jan.–22nd Feb., 1906.

MELITTOPHAGUS SHARPII Hartert.

*Melittophagus cyanostictus* (Cab.), Lort Phillips, Ibis, 1898, p. 418 ; Reich. ii. p. 308 (1902) [part].

*Melittophagus sharpei* Grant & Reid, Ibis, 1901, p. 672.  
a-f. ♂ ♀. Waghar, 4th Oct.-4th Nov., 1905.

MEROPS ALBICOLLIS (Vieill.).

*Aerops albicollis* Reich. ii. p. 317 (1902).

a-c. ♂ ♀ et ♂ imm. Dubar, 10th-19th May, 1905.

Family UPUPIDÆ.

UPUPA SOMALIENSIS Salvin.

*Upupa somaliensis* Reich. ii. p. 335 (1902).

*Upupa somaliensis* Lort Phillips, Ibis, 1898, p. 417.

a, b. ♂. Waghar, 1st-30th July, 1905.

c-e. ♂. Burao, 5th Jan.-23rd Feb., 1906.

On July 30th, 1905, Mr. Bury found numbers of Hoopoes in the Waghar Mountains ; no doubt they belonged to the present species and to *U. intermedia*.

UPUPA INTERMEDIA Grant & Reid.

*Upupa intermedia* Grant & Reid, Ibis, 1901, p. 674.

a-c. ♂ ♀. Waghar, 26th July-2nd Sept., 1905.

d. ♂. Burao, 7th Jan., 1906.

These four examples, obtained by Mr. Bury, confirm Mr. Ogilvie-Grant's opinion that this is a distinct species intermediate between *U. somaliensis* Salvin and *U. indica* Reichenb. (cf. Ibis, 1901, p. 674).

IRRISOR SOMALIENSIS Grant.

*Irrisor erythrorhynchus* (Lath.), Lort Phillips, Ibis, 1898, p. 417.

*Irrisor senegalensis somaliensis* Reich. ii. p. 342 (1902).

a-g. ♂ ♀. Burao, 26th Feb.-20th March, 1906.

h-n. ♂ ♀ et ♂ imm. Waghar, 7th July-21st Oct., 1905.

Bill black ; legs and feet coral-red washed with white ; toes black.

The two most adult male birds in the series (with the bill measuring about 2·5 inches) have the basal part of the lower

mandible more or less scarlet. It has been suggested by Mr. Ogilvie-Grant, in speaking of the allied black-billed species *I. melanorhynchus* (*cf.* Ibis, 1905, p. 210), that the partly red bill may be a characteristic of the female sex, but in the present instance both birds are said to be males. It must be added, however, that no reliance can be placed on Mr. Bury's determinations.

RHINOPOMASTUS MINOR (Rüpp.).

*Rhinopomastus minor* Reich. ii. p. 347 (1902); Lort Phillips, Ibis, 1898, p. 417.

*a-l.* ♂ ♀ et ♀ imm. Burao, 7th Jan.-22nd March, 1906.

*m-y.* ♂ ♀. Waghar, 23rd July-30th Oct., 1905.

Bill vermilion or reddish-orange; legs and feet slate-black.

The length of the bill varies greatly with age, likewise the width of the white wing-bar, the oldest birds having the narrowest mirror. The brown ends of the primaries denote the adult female and young, the adult males having the primaries greenish-black to the tip.

Family BUCEROTIDÆ.

LOPHOCEROS HEMPRICHI Ehrenb.

*Lophoceros hemprichi* Reich. ii. p. 253 (1902).

*a-h.* ♂ ♀ et ♀ imm. Waghar, 14th July-31st Aug., 18th Sept. and 6th Nov., 1905.

Iris dark brown; bill dull red with an orange tinge at the base; legs and feet black.

In the immature female the bill is black with the tip of the lower mandible yellow; legs dark slate-coloured.

In the adult female Mr. Bury notes that the throat-patch is sulphur-coloured and scantily feathered, and that the base of the upper mandible is yellow.

LOPHOCEROS ERYTHORHYNCHUS (Temm.).

*Lophoceros erythrorhynchus* Reich. ii. p. 262 (1902).

*Lophoceros medianus* Sharpe, Lort Phillips, Ibis, 1898, p. 417.



a. ♂. Geloko, 20th June, 1905.

b, c. ♂ ♀. Waghar, 26th Aug., 1905.

d. ♀. Burao, 29th Jan., 1906.

Bill dark red, black near the base of the lower mandible ; legs and feet black washed with white ; throat-patch livid flesh-coloured.

LOPHOCEROS FLAVIROSTRIS (Rüpp.).

*Lophoceros flavirostris* Lert Phillips, Ibis, 1908, p. 417 ; Reich. ii. p. 261 (1902).

a-g. ♂ ♀ et ♂ ♀ imm. Waghar, 29th June-10th Aug., and 31st Oct., 1905.

h. ♂. Burao, 22nd March, 1906.

#### Family TROGONIDÆ.

HAPALODERMA NARINA (Steph.).

*Apaloderma narina* Reich. ii. p. 212 (1902).

a-d. ♂ ♀ et ♂ imm. Waghar, 28th July-30th Aug., 1905.

Iris dark brown ; bill yellowish-grey, canary-coloured at the gape, the upper mandible of the male being darker than that of the female ; interior of the gape and palate flesh-coloured ; orbital patch azure tinged with mauve close to the eye ; legs and feet vandyke or pinkish-brown washed with white.

#### Family CORACIIDÆ.

CORACIAS GARRULUS Linn.

*Coracias garrulus* Reich. ii. p. 217 (1902).

a. ♂. Waghar, 23rd Aug., 1905.

CORACIAS LORTI Shell.

*Coracias lorti* Lort Phillips, Ibis, 1898, p. 416 ; Reich. ii. p. 225 (1902).

a-d. ♂ ♀ et ♀ imm. Waghar, 17th July-29th Aug., 1905.

e-i. ♂ ♀. Burao, 15th Feb.-19th March, 1906.

## CORACIAS NÆVIUS Daud.

*Coracias navius* Lort Phillips, Ibis, 1898, p. 416 ; Reich.  
ii. p. 225 (1902).

*a-i.* ♂ ♀ et ♂ ♀ imm. Waghar, 4th July-6th Sept.,  
1905.

## Family PSITTACIDÆ.

## PŒOCEPHALUS RUFIVENTRIS (Rüpp.).

*Poicephalus rufiventris* Reich. ii. p. 15 (1902).

*a-c.* ♂ ♀. Waghar, 4th July-2nd Sept., 1905.

*d-p.* ♂ ♀ et ♀ imm. Burao, 1st Jan.-21st March, 1906.

## Family BUBONIDÆ.

## CARINE SPILOGASTRA (Heugl.).

*Carine spilogastra* Lort Phillips, Ibis, 1898, p. 418.

*Athene spilogaster* Reich. i. p. 671 (1901).

*a-d.* ♂ ♀. Burao, 11th Dec., 1905-6th Jan., 1906.

*e, f.* ♂ ♀. Waghar, 2nd Nov., 1905.

## SCOPS LEUCOTIS (Temm.).

*Asio leucotis* Lort Phillips, Ibis, 1898, p. 418 ; Reich. i.  
p. 661 (1901).

*a.* ♀. Burao, 24th Feb., 1906.

Iris orange ; bill greenish-grey, paler at the tip ; feet  
horn-coloured, nails dark horn-coloured.

## Family FALCONIDÆ.

## ASTUR SPHENURUS (Rüpp.).

*Astur sphenurus* Reich. i. p. 557 (1901).

*a-d.* ♂ ♀ et ♂ ♀ imm. Waghar, 14th July-23rd Sept.,  
1905.

*e-g.* ♂. Burao, 24th Feb.-21st March, 1906.

Iris flame-coloured ; bill dark slate-coloured ; cere orange ;  
legs and feet orange ; nails blue-black.

## MELIERAX POLYZONUS (Rüpp.).

*Melierax metabates* (Heugl.), Reich. i. p. 544 (1901).

*a.* ♀ imm. Geloko, 6th Dec., 1905.

b. ♂. Burao, 24th Feb., 1906.

c. ♂. Waghar, 10th–30th Oct., 1905.

Iris raw sienna; bill dark slate-coloured; cere canary-yellow; legs and feet reddish-orange, nails blue-black.

MELIERAX GABAR (Daud.).

*Micronisus gabar* Reich. i. p. 565 (1901).

a-e. ♂ ♀ et ♂ ♀ imm. Burao, 9th Jan.–21st March, 1906.

Iris tawny-brown; cere pink or orange; bill slate-coloured; legs and feet orange.

MELIERAX NIGER (Vieill.).

*Melierax niger* Lort Phillips, Ibis, 1898, p. 419; Butler, Ibis, 1908, p. 419.

*Micronisus niger* Reich. i. p. 567 (1901).

a. ♀. Waghar, 29th Nov., 1905.

Iris brown; bill orange at the base, slate-coloured at the tip; legs and feet vermilion, toes blue-black.

Mr. Butler considers that this bird is merely a melanism of *M. gabar*.

BUTEO AUGUR Rüpp.

*Buteo augur* Reich. i. p. 592 (1901).

a. ♂. Waghar, 6th Oct., 1905.

Iris dark brown; bill dark slate-coloured, cere orange; legs and feet orange, toes bluish-black.

MILVUS ÆGYPTIUS Gmel.

*Milvus ægyptius* Lort Phillips, Ibis, 1898, p. 420; Reich. i. p. 609 (1901).

a-d. ♂ ♀. Waghar, 18th Sept.–6th Nov., 1905.

FALCO TANYPTERUS Schl.

*Falco tanypterus* Reich. i. p. 626 (1901).

a. ♂. Dubar, 4th June, 1905.

b. ♂. Burao, 21st March, 1906.

Iris brown; bill slate-coloured at the tip, shading to yellowish-white at the base; cere yellow; legs and feet yellow, nails blue-black.

## FALCO MINOR Bonap.

*Falco minor* Reich. i. p. 622 (1901).

a. ♂. Geloko, 6th Dec., 1905.

Bill pale slate-coloured; cere yellow; legs and feet bright yellow.

## POLIOHIERAX SEMITORQUATUS (A. Smith).

*Poliohierax semitorquatus* Lort Phillips, Ibis, 1898, p. 420; Reich. i. p. 645 (1901).

a. ♂. Geloko, 20th June, 1905.

b-d. ♀. Waghar, 24th Aug.-26th Oct., 1905.

e-d'. ♂ ♀. Burao, 3rd Jan.-21st Feb., 1906.

Iris brown; cere cerise; gape, nares, and orbital ring vermilion; bill slate-coloured, dark at the tip; legs and feet coral-red, nails blue-black.

These little Falcons appear to be plentiful in North Somaliland, judging from the large series which Mr. Bury has obtained.

## CERCHNEIS TINNUNCULUS (Linn.).

*Cerchneis tinnunculus* Lort Phillips, Ibis, 1898, p. 420; Reich. i. p. 641 (1901).

a-c. ♂ ♀ et ♂ imm. Waghar, 14th July-26th Aug., 1905.

d, e. ♂ et ♂ imm. Burao, 23rd Feb.-20th March, 1906.

Bill pale slate-coloured; cere dull yellow; legs and feet yellow washed with white; toes blue-black.

## CERCHNEIS SATURATA Blyth.

*Cerchneis saturata* Sharpe, Hand-l. i. p. 277 (1899).

a-c. ♀ et ♂ imm. Waghar, 18th July-26th Aug., 1905.

*Adult female.* Bill slate-coloured; legs and feet orange; nails bluish black.

The above-mentioned specimens were all procured on the high ground at Waghar in company with examples of *C. tinnunculus*. They are very dark birds and agree perfectly with specimens from the Himalaya, Burma, &c.

## CERCHNEIS FIELDI Elliot.

*Cerchneis fieldi* Sharpe, Hand-l. i. p. 277 (1899).

a. ♂. Burao, 2nd March, 1906.



A fine adult male of this very distinct form, which belongs to the group of *C. rupicola*, and has the middle tail-feathers barred with black.

AQUILA ALBICANS Rüpp.

*Aquila rapax* (Temm.), Lort Phillips, Ibis, 1898, p. 419 ; Reich. i. p. 587 (1901).

*Aquila albicans* Sushkin, Bull. B. O. C. xi. p. 6 (1900).

a-d. ♂ ♀. Waghar, 8th-30th July and 2nd Nov., 1905.

e. ♂. Burao, 26th Jan., 1906.

The specimens collected by Mr. Bury form part of the material examined by Prof. Sushkin when preparing his monograph on this group of Eagles. The birds represent various interesting stages of plumage, and are a valuable addition to the British Museum.

Family VULTURIDÆ.

LOPHOGYPS OCCIPITALIS (Burch.).

*Lophogyps occipitalis* Reich. i. p. 514 (1901).

a. ♂. Waghar, 29th Sept., 1905.

Iris brown ; bill pale brick-red, tipped with dark slate-colour ; cere pale slate-coloured ; legs and feet pale pinkish-flesh-coloured ; toes bluish-black.

Family OTIDIDÆ.

LOPHOTIS GINDIANA (Oust.).

*Lophotis gindiana* Lort Phillips, Ibis, 1898, p. 421.

*Otis gindiana* Reich. i. p. 253 (1900).

a. ♂. Burao, 7th Feb., 1906.

HETEROTETRAX HUMILIS (Blyth).

*Otis humilis* Reich. i. p. 251 (1900).

a. [♀]. Burao, 7th Feb., 1906.

This rare Bustard is a welcome addition to the British Museum, where the species was very poorly represented.

## Family SCOPIDÆ.

SCOPUS UMBRETTA Gmel.

*Scopus umbretta* Reich. i. p. 353 (1901).

a. ♀. Waghar, 6th Nov., 1905.

Iris dark brown; bill, legs, and feet black.

## Family ŒDICNEMIDÆ.

ŒDICNEMUS AFFINIS, Rüpp.

*Œdicnemus affinis* Lort Phillips, Ibis, 1898, p. 421.*Œdicnemus capensis* Licht.; Reich. i. p. 198 (1900).

a. ♀. Burao, 24th Feb., 1906.

## Family CURSORIIDÆ.

CURSORIUS SOMALENSIS Shell.

*Cursorius gallicus somalensis* Shelley, Ibis, 1885, p. 415.*Cursorius somaliensis* Lort Phillips, Ibis, 1898, p. 422.*Cursorius somalensis* Reich. i. p. 154 (1900).

a. ♀. Waghar, 30th Jan., 1906.

b-e. ♂ ♀. Burao, 9th Dec., 1905-22nd March, 1906.

RHINOPTILUS HARTINGI Sharpe.

*Rhinoptilus hartingi* Lort Phillips, Ibis, 1898, p. 421.*Rhinoptilus bisignatus hartingi* Reich. i. p. 160 (1900).

a. ♀. Ragar plateau, 23rd June, 1905.

RHINOPTILUS CINCTUS (Heugl.).

*Rhinoptilus cinctus* Lort Phillips, Ibis, 1898, p. 421;  
Reich. i. p. 160 (1900).

a-f. ♂ ♀. Waghar, 5th Sept.-26th Oct., 1905.

## Family CHARADRIIDÆ.

STEPHANIBYX CORONATUS (Bodd.).

*Stephanibyx coronatus* Reich. i. p. 180 (1900).*Stephanibyx coronata* Lort Phillips, Ibis, 1898, p. 422.

a. ♂. Lebah Ragar, 21st June, 1905.

b. ♂. Ragar plateau, 23rd June, 1905.

c-e. ♂ ♀. Burao, 9th and 12th Jan., 1906.

TRINGOIDES HYPOLEUCUS (Linn.).

*Tringoides hypoleucus* Lort Phillips, Ibis, 1898, p. 423;  
Reich. i. p. 224 (1900).

a. ♀. Waghar, 10th Oct., 1905.

Family RALLIDÆ.

SAUROTHURA BURYI Grant.

*Saurothura buryi* Grant, Bull. B. O. C. xxi. p. 93 (1908).

a. ♀. Dubar, 30th May, 1905. (*Type of the species.*)

This little Rail most nearly resembles the female of *S. elegans* (Smith), but differs in having the middle of the breast and the belly conspicuously white, with somewhat faint transverse bars of dark brown. Total length ca. 6 inches; wing 3.55; tail 1.5; tarsus 1.1.

Mr. Bury mentions that this Rail was found along the irrigation channels: on learning that it was certainly a new species, he took special trouble to procure additional examples, but never met with it again.

Family COLUMBIDÆ.

VINAGO WAALIA (Gmel.).

*Vinago waalia* Lort Phillips, Ibis, 1898, p. 424; Reich.  
i. p. 392 (1901).

a. ♂. Waghar, 9th August, 1905.

TURTUR SEMITORQUATUS (Rüpp.).

*Turtur semitorquatus* Reich. i. p. 409 (1901).

a. ♂. Burao, 23rd March.

b-c. ♂ et ♀ imm. Waghar, 14th & 15th July, 1905.

Iris golden yellow; bill black; legs dark brown, washed with white.

TURTUR SENGALENSIS (Linn.).

*Turtur senegalensis* Reich. i. p. 406 (1901).

a. ♂. Dubar, 4th June, 1905.

TURTUR ROSEOGRISEUS (Sundev.).

*Turtur roseogriseus* Reich. i. p. 413 (1901).

a. ♂. Dubar, 3rd June, 1905.

*ENA CAPENSIS* (Linn.).

*Ena capensis* Reich. i. p. 429 (1901).

a. ♀. Waghar, 28th July, 1905.

Bill dark brown; legs and feet mauve; nails dark brown.

*CHALCOPELIA CHALCOSPILUS* Bonap.

*Chalcopelia afra* Lort Phillips, Ibis, 1898, p. 424; Reich. i. p. 426 (1901).

a-f. ♂ ♀ et ♀ imm. Waghar, 30th June-18th July, 1905.

Bill mauve, darker at the tip; legs and feet mauve; toes blue-black.

In one male and four female specimens procured by Mr. Bury the wing spots are golden green [= *C. chalcospilus* Bonap. *vide* Sharpe, Bull. B. O. C. xii. p. 83 (1902)]. In the sixth specimen, a male, the spots are partly purplish-blue and partly golden green, but this change of colour is obviously caused by exposure, for the purplish-blue portion of each spot is the portion which is visible when the wings are closed. *C. delicatula* Sharpe, from the White Nile, appears to be synonymous with *C. abyssinicus* Sharpe, the colour of the legs being much the same in both.

#### Family PTEROCLIDÆ.

*PTEROCLURUS EXUSTUS* (Temm.).

*Pteroclorus exustus* Reich. i. p. 316 (1900).

a. ♂. Dubar, 4th June, 1905.

#### Family PHASIANIDÆ.

*FRANCOLINUS KIRKI* Hartl.

*Francolinus kirki* Lort Phillips, Ibis, 1898, p. 425; Reich. i. p. 497 (1901).

a. ♂. Libah Rajaz, 21st June, 1905.

b-e. ♀ et ♀ imm. Waghar, 12th Aug.-25th Sept., 1905.